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 IBM Technical Disclosure Bulletins

**Term:**

L1 same stabiliz?

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<u>L4</u>	L3 same (advantag? or useful?)	0	<u>L4</u>
<u>L3</u>	L1 same stabiliz?	55	<u>L3</u>
<u>L2</u>	L1 same stabiliz? same peptide?	1	<u>L2</u>
<u>L1</u>	hydroxypropylcellulose or hydroxyethylcellulose or hydroxypropylmethylcellulose	15221	<u>L1</u>

END OF SEARCH HISTORY

WER 12 OF 17 CAPLUS COPYRIGHT 2002 ACS

AN 1997:717830 CAPLUS

DN 128:7313

TI A pharmaceutical formulation containing growth hormone, an amino acid and a nonionic detergent

IN Bjorn, Soren; Sorensen, Hans Holmegaard; Langballe, Peter; Larsen, Silke Moller; Ebbehøj, Kirsten; Hansen, Birthe Lykkegaard

PA Novo Nordisk A/S, Den.; Bjorn, Soren; Sorensen, Hans Holmegaard; Langballe, Peter; Larsen, Silke Moller; Ebbehøj, Kirsten; Hansen, Birthe Lykkegaard

SO PCT Int. Appl., 41 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9739768	A1	19971030	WO 1997-DK184	19970424
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	CA 2252535	AA	19971030	CA 1997-2252535	19970424
	AU 9726343	A1	19971112	AU 1997-26343	19970424
	AU 733592	B2	20010517		
	EP 904099	A1	19990331	EP 1997-918073	19970424
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	CN 1216472	A	19990512	CN 1997-194040	19970424
	BR 9708858	A	19990803	BR 1997-8858	19970424
	JP 2000508665	T2	20000711	JP 1997-537622	19970424
	NO 9804951	A	19981023	NO 1998-4951	19981023
	KR 2000010630	A	20000225	KR 1998-708535	19981024
PRAI	DK 1996-490	A	19960424		
	WO 1997-DK184	W	19970424		

AB The invention relates to pharmaceutical formulations comprising growth hormone, an amino acid selected from the group of Asp, Ile, Val, Leu or His, or a deriv. of histidine, or a **peptide** comprising at least one basic amino acid and at least one acidic amino acid, and a nonionic detergent, e.g. **polysorbate** or Poloxamer. The formulation is **stabilized** against deamidation and aggregation. The formulation may be an aq. formulation. A liq. formulation was formulated contg.

human growth hormone 4, mannitol 45, L-histidine 0.52, phenol 2.5, Pluronic F68 2 mg/mL, and HCl/NaOH q.s. to pH 6.5. The soln. was examd. visually

after the soln. was stored 1 day at 8.degree. and rotated for 19 h at 25.degree.; the soln. was clear with few flakes.

L8 ANSWER 13 OF 17 BIOSIS COPYRIGHT 2002 B

123:322126

TI Stabilization of peptides and proteins for radiopharmaceutical use

IN Miller, Kathleen M.; De La Fourniere, Laurance

PA Mallinckrodt Medical, Inc., USA

SO PCT Int. Appl., 25 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9525119	A1	19950921	WO 1995-US3180	19950316
	W: CA, CZ, FI, HU, JP, MX, NO, PL				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	CA 2185653	AA	19950921	CA 1995-2185653	19950316
	EP 763056	A1	19970319	EP 1995-914715	19950316
	EP 763056	B1	20000809		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT,				
SE	JP 09510454	T2	19971021	JP 1995-524139	19950316
	HU 76623	A2	19971028	HU 1996-2554	19950316
	AT 195322	E	20000815	AT 1995-914715	19950316
	US 6174513	B1	20010116	US 1998-126545	19980730
PRAI	US 1994-214347	A	19940316		
	WO 1995-US3180	W	19950316		
	US 1996-704036	B1	19960828		
	US 1997-893122	B1	19970715		
AB	Surfactants alone or in combination with salts are used to stabilize radiolabeled peptides and proteins contained in diagnostic or therapeutic radiopharmaceutical comps.				

(FILE 'HOME' ENTERED AT 12:39:02 ON 11 MAR 2002)

FILE 'MEDLINE, BIOSIS, CAPLUS, EMBASE, USPATFULL' ENTERED AT 12:39:39 ON  
11 MAR 2002

L1	11681 S HYDROXYETHYLCELLULOSE
L2	628 S L1 (P)STABILIZ?
L3	4 S L2 (P)PEPTIDE?
L4	16631 S POLYSORBATE?
L5	161 S L4 (P)PEPTIDE?
L6	23 S L5 (P)STABILIZ?
L7	4 DUPLICATE REMOVE L3 (0 DUPLICATES REMOVED)
L8	17 DUPLICATE REMOVE L6 (6 DUPLICATES REMOVED)

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